

d 14 1-36 ti

- L4 ANSWER 1 OF 36 MEDLINE on STN  
TI HIV-1-specific memory CD4(+) **T cells** are phenotypically less mature than **cytomegalovirus**-specific memory CD4(+) **T cells**.
- L4 ANSWER 2 OF 36 MEDLINE on STN  
TI Human rotavirus specific **T cells**: quantification by ELISPOT and expression of homing receptors on CD4+ **T cells**.
- L4 ANSWER 3 OF 36 MEDLINE on STN  
TI Characterization of the CD4+ **T cell** response to Epstein-Barr virus during primary and persistent infection.
- L4 ANSWER 4 OF 36 MEDLINE on STN  
TI Evaluation of antigen-specific responses using in vitro **enriched T cells**.
- L4 ANSWER 5 OF 36 MEDLINE on STN  
TI Exploiting virus stealth technology for xenotransplantation: reduced human **T cell** responses to porcine cells expressing herpes simplex virus ICP47.
- L4 ANSWER 6 OF 36 MEDLINE on STN  
TI CD34+-**enriched** peripheral blood progenitor cells from unrelated donors for allografting of adult patients: high risk of graft failure, infection and relapse despite donor lymphocyte add-back.
- L4 ANSWER 7 OF 36 MEDLINE on STN  
TI Induction of CMV-specific **T-cell** lines using Ag-presenting cells pulsed with CMV protein or peptide.
- L4 ANSWER 8 OF 36 MEDLINE on STN  
TI Memory CD8+ **T cells** vary in differentiation phenotype in different persistent virus infections.
- L4 ANSWER 9 OF 36 MEDLINE on STN  
TI Development and homeostasis of **T cell** memory in rhesus macaque.
- L4 ANSWER 10 OF 36 MEDLINE on STN  
TI Epitope specificity of clonally expanded populations of CD8+ **T cells** found within the joints of patients with inflammatory arthritis.
- L4 ANSWER 11 OF 36 MEDLINE on STN  
TI CD4(+)CD8(dim) T lymphocytes exhibit enhanced cytokine expression, proliferation and cytotoxic activity in response to HCMV and HIV-1 antigens.
- L4 ANSWER 12 OF 36 MEDLINE on STN  
TI Ex vivo generation of human **cytomegalovirus**-specific cytotoxic **T cells** by peptide-pulsed dendritic cells.
- L4 ANSWER 13 OF 36 MEDLINE on STN  
TI Ex vivo IFN-gamma secretion by circulating CD8 T lymphocytes: implications of a novel approach for **T cell** monitoring in infectious and malignant diseases.
- L4 ANSWER 14 OF 36 MEDLINE on STN

- TI Specificity of **T cells** in synovial fluid: high frequencies of CD8(+) **T cells** that are specific for certain viral epitopes.
- L4 ANSWER 15 OF 36 MEDLINE on STN
- TI **Enrichment** of immediate-early 1 (m123/pp89) peptide-specific CD8 **T cells** in a pulmonary CD62L(lo) memory-effector cell pool during latent murine **cytomegalovirus** infection of the lungs.
- L4 ANSWER 16 OF 36 MEDLINE on STN
- TI A murine leukemia virus (MuLV) long terminal repeat derived from rhesus macaques in the context of a lentivirus vector and MuLV gag sequence results in high-level gene expression in human T lymphocytes.
- L4 ANSWER 17 OF 36 MEDLINE on STN
- TI Quantitative lymphocyte subset reconstitution after allogeneic hematopoietic transplantation from matched related donors with CD34+ selected PBPC grafts unselected PBPC grafts or BM grafts.
- L4 ANSWER 18 OF 36 MEDLINE on STN
- TI CD4dullCD8bright double-positive T-lymphocytes have a phenotype of granzyme Bpos CD8pos memory T-lymphocytes.
- L4 ANSWER 19 OF 36 MEDLINE on STN
- TI Frequent **enrichment** for CD8 **T cells** reactive against common herpes viruses in chronic inflammatory lesions: towards a reassessment of the physiopathological significance of **T cell** clonal expansions found in autoimmune inflammatory processes.
- L4 ANSWER 20 OF 36 MEDLINE on STN
- TI A retroviral vector that directs simultaneous expression of alpha and beta **T cell** receptor genes.
- L4 ANSWER 21 OF 36 MEDLINE on STN
- TI Selective migration of highly differentiated primed **T cells**, defined by low expression of CD45RB, across human umbilical vein endothelial cells: effects of viral infection on transmigration.
- L4 ANSWER 22 OF 36 MEDLINE on STN
- TI Gene transfer into human bone marrow hematopoietic cells mediated by adenovirus vectors.
- L4 ANSWER 23 OF 36 MEDLINE on STN
- TI Immune response to a carcinoembryonic antigen polynucleotide vaccine.
- L4 ANSWER 24 OF 36 MEDLINE on STN
- TI Efficient generation of human anti-**cytomegalovirus** IgG monoclonal antibodies from preselected antigen-specific B cells.
- L4 ANSWER 25 OF 36 MEDLINE on STN
- TI Characterization of thymic involution induced by murine **cytomegalovirus** infection.
- L4 ANSWER 26 OF 36 MEDLINE on STN
- TI Peripheral blood mononuclear cell-mediated cytolytic activity during **cytomegalovirus** (CMV) infection of guinea pigs.
- L4 ANSWER 27 OF 36 MEDLINE on STN
- TI Functional studies of cell-mediated immunity in haemophilia and other bleeding disorders.

L4 ANSWER 28 OF 36 MEDLINE on STN  
 TI Induction of immunoglobulin secretion and DNA synthesis in human lymphocytes in vitro by **cytomegalovirus** preparations.

L4 ANSWER 29 OF 36 MEDLINE on STN  
 TI HLA-DR-restricted cytotoxicity of **cytomegalovirus**-infected monocytes mediated by Leu-3-positive **T cells**.

L4 ANSWER 30 OF 36 MEDLINE on STN  
 TI Regulation of immunoglobulin production after human marrow grafting. The role of helper and suppressor **T cells** in acute graft-versus-host disease.

L4 ANSWER 31 OF 36 MEDLINE on STN  
 TI **Cytomegalovirus** (CMV)-specific lysis of CMV-infected target cells can be mediated by both NK-like and virus-specific cytotoxic T lymphocytes.

L4 ANSWER 32 OF 36 MEDLINE on STN  
 TI Phenotypic properties of atypical lymphocytes in **cytomegalovirus**-induced mononucleosis.

L4 ANSWER 33 OF 36 MEDLINE on STN  
 TI Immunosuppression-induced defective lymphocyte proliferation to murine **cytomegalovirus** is prolonged following the cessation of immunosuppression.

L4 ANSWER 34 OF 36 MEDLINE on STN  
 TI Functional properties of T lymphocytes and their subsets in **cytomegalovirus** mononucleosis.

L4 ANSWER 35 OF 36 MEDLINE on STN  
 TI **Cytomegalovirus**-induced mononucleosis in guinea pigs.

L4 ANSWER 36 OF 36 MEDLINE on STN  
 TI Characteristics of infection of B and T lymphocytes from mice after inoculation with **cytomegalovirus**.

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L4 ANSWER 6 OF 36 MEDLINE on STN  
 AN 2002442488 MEDLINE  
 DN PubMed ID: 12199791  
 TI CD34+-**enriched** peripheral blood progenitor cells from unrelated donors for allografting of adult patients: high risk of graft failure, infection and relapse despite donor lymphocyte add-back.  
 AU Bornhauser Martin; Platzbecker Uwe; Theuser Catrin; Holig K; Ehninger Gerhard  
 CS Medical Klinik und Poliklinik I, Universitätsklinikum Carl Gustav Carus, Dresden, Germany.. bornhaeuser@mk1.med.tu-dresden.de  
 SO British journal of haematology, (2002 Sep) 118 (4) 1095-103.  
 Journal code: 0372544. ISSN: 0007-1048.  
 CY England: United Kingdom  
 DT (CLINICAL TRIAL)  
 (CLINICAL TRIAL, PHASE I)  
 (CLINICAL TRIAL, PHASE II)  
 Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200211  
 ED Entered STN: 20020830

Last Updated on STN: 20021212  
Entered Medline: 20021118

L4 ANSWER 7 OF 36 MEDLINE on STN  
AN 2002216926 MEDLINE  
DN PubMed ID: 11953041  
TI Induction of CMV-specific **T-cell** lines using  
Ag-presenting cells pulsed with CMV protein or peptide.  
AU Einsele H; Rauser G; Grigoleit U; Hebart H; Sinzger C; Riegler S; Jahn G  
CS Medizinische Klinik und Poliklinik, Universitat Tübingen, Germany.  
SO Cytotherapy, (2002) 4 (1) 49-54.  
Journal code: 100895309. ISSN: 1465-3249.  
CY England: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200209  
ED Entered STN: 20020416  
Last Updated on STN: 20020911  
Entered Medline: 20020910

L4 ANSWER 8 OF 36 MEDLINE on STN  
AN 2002194873 MEDLINE  
DN PubMed ID: 11927944  
TI Memory CD8+ **T cells** vary in differentiation phenotype  
in different persistent virus infections.  
AU Appay Victor; Dunbar P Rod; Callan Margaret; Klenerman Paul; Gillespie  
Geraldine M A; Papagno Laura; Ogg Graham S; King Abigail; Lechner  
Franziska; Spina Celsa A; Little Susan; Havlir Diane V; Richman Douglas D;  
Gruener Norbert; Pape Gerd; Waters Anele; Easterbrook Philippa; Salio  
Mariolina; Cerundolo Vincenzo; McMichael Andrew J; Rowland-Jones Sarah L  
CS MRC Human Immunology Unit, Institute of Molecular Medicine, John Radcliffe  
Hospital, Oxford, UK.. vappay@gwmail.jr2.ox.ac.uk  
SO Nature medicine, (2002 Apr) 8 (4) 379-85.  
Journal code: 9502015. ISSN: 1078-8956.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200205  
ED Entered STN: 20020404  
Last Updated on STN: 20020503  
Entered Medline: 20020502

L4 ANSWER 9 OF 36 MEDLINE on STN  
AN 2002003614 MEDLINE  
DN PubMed ID: 11751943  
TI Development and homeostasis of **T cell** memory in rhesus  
macaque.  
AU Pitcher Christine J; Hagen Shoko I; Walker Joshua M; Lum Richard; Mitchell  
Bridget L; Maino Vernon C; Axthelm Michael K; Picker Louis J  
CS Vaccine and Gene Therapy Institute, Oregon Regional Primate Research  
Center, Oregon Health and Science University, West Campus, 505 NW 185th  
Avenue, Beaverton, OR 97006, USA.  
NC P51 RR 00163 (NCRR)  
R21 AI 44758 (NIAID)  
SO Journal of immunology (Baltimore, Md. : 1950), (2002 Jan 1) 168 (1) 29-43.  
Journal code: 2985117R. ISSN: 0022-1767.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Abridged Index Medicus Journals; Priority Journals

EM 200201  
ED Entered STN: 20020102  
Last Updated on STN: 20020125  
Entered Medline: 20020111

L4 ANSWER 10 OF 36 MEDLINE on STN  
AN 2001545794 MEDLINE  
DN PubMed ID: 11592365  
TI Epitope specificity of clonally expanded populations of CD8+ **T cells** found within the joints of patients with inflammatory arthritis.  
AU Fazou C; Yang H; McMichael A J; Callan M F  
CS John Radcliffe Hospital, Oxford, UK.  
SO Arthritis and rheumatism, (2001 Sep) 44 (9) 2038-45.  
Journal code: 0370605. ISSN: 0004-3591.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Abridged Index Medicus Journals; Priority Journals  
EM 200111  
ED Entered STN: 20011011  
Last Updated on STN: 20011105  
Entered Medline: 20011101

L4 ANSWER 11 OF 36 MEDLINE on STN  
AN 2001453327 MEDLINE  
DN PubMed ID: 11500836  
TI CD4(+)CD8(dim) T lymphocytes exhibit enhanced cytokine expression, proliferation and cytotoxic activity in response to HCMV and HIV-1 antigens.  
AU Suni M A; Ghanekar S A; Houck D W; Maecker H T; Wormsley S B; Picker L J; Moss R B; Maino V C  
CS BD Biosciences, Immunocytometry Systems, San Jose, CA 95131, USA..  
maria\_suni@bdis.com  
SO European journal of immunology, (2001 Aug) 31 (8) 2512-20.  
Journal code: 1273201. ISSN: 0014-2980.  
CY Germany: Germany, Federal Republic of  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200109  
ED Entered STN: 20010814  
Last Updated on STN: 20010917  
Entered Medline: 20010913

L4 ANSWER 12 OF 36 MEDLINE on STN  
AN 2001341143 MEDLINE  
DN PubMed ID: 11328306  
TI Ex vivo generation of human **cytomegalovirus**-specific cytotoxic **T cells** by peptide-pulsed dendritic cells.  
AU Kleihauer A; Grigoleit U; Hebart H; Moris A; Brossart P; Muhm A; Stevanovic S; Rammensee H G; Sinzger C; Riegler S; Jahn G; Kanz L; Einsele H  
CS Medizinische Klinik II, Eberhard-Karls-Universitat Tübingen, Germany.  
SO British journal of haematology, (2001 Apr) 113 (1) 231-9.  
Journal code: 0372544. ISSN: 0007-1048.  
CY England: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200106  
ED Entered STN: 20010618

Last Updated on STN: 20010618  
Entered Medline: 20010614

L4 ANSWER 13 OF 36 MEDLINE on STN  
AN 2001320108 MEDLINE  
DN PubMed ID: 11390521  
TI Ex vivo IFN-gamma secretion by circulating CD8 T lymphocytes: implications of a novel approach for **T cell** monitoring in infectious and malignant diseases.  
AU Pittet M J; Zippelius A; Speiser D E; Assenmacher M; Guillaume P; Valmori D; Lienard D; Lejeune F; Cerottini J C; Romero P  
CS Division of Clinical Onco-Immunology, Ludwig Institute for Cancer Research, Lausanne Branch, University Hospital, Lausanne, Switzerland.  
SO Journal of immunology (Baltimore, Md. : 1950), (2001 Jun 15) 166 (12) 7634-40.  
Journal code: 2985117R. ISSN: 0022-1767.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Abridged Index Medicus Journals; Priority Journals  
EM 200108  
ED Entered STN: 20010827  
Last Updated on STN: 20010827  
Entered Medline: 20010823

L4 ANSWER 14 OF 36 MEDLINE on STN  
AN 2001154769 MEDLINE  
DN PubMed ID: 11062606  
TI Specificity of **T cells** in synovial fluid: high frequencies of CD8(+) **T cells** that are specific for certain viral epitopes.  
AU Tan L C; Mowat A G; Fazou C; Rostron T; Roskell H; Dunbar P R; Tournay C; Romagne F; Peyrat M A; Houssaint E; Bonneville M; Rickinson A B; McMichael A J; Callan M F  
CS MRC Human Immunology Unit, Institute of Molecular Medicine, John Radcliffe Hospital, Oxford, UK.  
SO Arthritis research, (2000) 2 (2) 154-64.  
Journal code: 100913255. ISSN: 1465-9905.  
CY England: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200103  
ED Entered STN: 20010404  
Last Updated on STN: 20030105  
Entered Medline: 20010322

L4 ANSWER 15 OF 36 MEDLINE on STN  
AN 2001083007 MEDLINE  
DN PubMed ID: 11090146  
TI **Enrichment** of immediate-early 1 (m123/pp89) peptide-specific CD8 **T cells** in a pulmonary CD62L(lo) memory-effector cell pool during latent murine **cytomegalovirus** infection of the lungs.  
AU Holtappels R; Pahl-Seibert M F; Thomas D; Reddehase M J  
CS Institute for Virology, Johannes Gutenberg University, 55101 Mainz, Germany.  
SO Journal of virology, (2000 Dec) 74 (24) 11495-503.  
Journal code: 0113724. ISSN: 0022-538X.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English

FS Priority Journals  
EM 200101  
ED Entered STN: 20010322  
Last Updated on STN: 20010322  
Entered Medline: 20010111

L4 ANSWER 16 OF 36 MEDLINE on STN  
AN 2000193807 MEDLINE  
DN PubMed ID: 10729143  
TI A murine leukemia virus (MuLV) long terminal repeat derived from rhesus macaques in the context of a lentivirus vector and MuLV gag sequence results in high-level gene expression in human T lymphocytes.  
AU Kung S K; An D S; Chen I S  
CS Department of Microbiology, UCLA School of Medicine, Los Angeles, California 90095-1678, USA.  
NC AI 39975 (NIAID)  
AI36555 (NIAID)  
SO Journal of virology, (2000 Apr) 74 (8) 3668-81.  
Journal code: 0113724. ISSN: 0022-538X.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals; AIDS  
EM 200004  
ED Entered STN: 20000505  
Last Updated on STN: 20000505  
Entered Medline: 20000426

L4 ANSWER 17 OF 36 MEDLINE on STN  
AN 1999394742 MEDLINE  
DN PubMed ID: 10455369  
TI Quantitative lymphocyte subset reconstitution after allogeneic hematopoietic transplantation from matched related donors with CD34+ selected PBPC grafts unselected PBPC grafts or BM grafts.  
AU Behringer D; Bertz H; Schmoor C; Berger C; Dwenger A; Finke J  
CS Department of Hematology/Oncology, University of Freiburg, Germany.  
SO Bone marrow transplantation, (1999 Aug) 24 (3) 295-302.  
Journal code: 8702459. ISSN: 0268-3369.  
CY ENGLAND: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199909  
ED Entered STN: 19991012  
Last Updated on STN: 19991012  
Entered Medline: 19990930

L4 ANSWER 18 OF 36 MEDLINE on STN  
AN 1999310376 MEDLINE  
DN PubMed ID: 10383003  
TI CD4dullCD8bright double-positive T-lymphocytes have a phenotype of granzyme Bpos CD8pos memory T-lymphocytes.  
AU Rentenaar R J; Wever P C; van Diepen F N; Schellekens P T; Wertheim P M; ten Berge I J  
CS Department of Internal Medicine, Academic Medical Centre, University of Amsterdam, The Netherlands.  
SO Nephrology, dialysis, transplantation : official publication of the European Dialysis and Transplant Association - European Renal Association, (1999 Jun) 14 (6) 1430-4.  
Journal code: 8706402. ISSN: 0931-0509.  
CY ENGLAND: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)

LA English  
FS Priority Journals  
EM 199908  
ED Entered STN: 19990816  
Last Updated on STN: 20000303  
Entered Medline: 19990805

L4 ANSWER 19 OF 36 MEDLINE on STN  
AN 1999190523 MEDLINE  
DN PubMed ID: 10092102  
TI Frequent **enrichment** for CD8 **T cells** reactive  
against common herpes viruses in chronic inflammatory lesions: towards a  
reassessment of the physiopathological significance of **T**  
**cell** clonal expansions found in autoimmune inflammatory processes.  
AU Scotet E; Peyrat M A; Saulquin X; Retiere C; Couedel C; Davodeau F; Dulphy  
N; Toubert A; Bignon J D; Lim A; Vie H; Hallet M M; Liblau R; Weber M;  
Berthelot J M; Houssaint E; Bonneville M  
CS INSERM U463, Institut de Biologie, Nantes, France.  
SO European journal of immunology, (1999 Mar) 29 (3) 973-85.  
Journal code: 1273201. ISSN: 0014-2980.  
CY GERMANY: Germany, Federal Republic of  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals; AIDS  
EM 199904  
ED Entered STN: 19990504  
Last Updated on STN: 19990504  
Entered Medline: 19990421

L4 ANSWER 20 OF 36 MEDLINE on STN  
AN 1999008315 MEDLINE  
DN PubMed ID: 9794213  
TI A retroviral vector that directs simultaneous expression of alpha and beta  
**T cell** receptor genes.  
AU Pogulis R J; Pease L R  
CS Department of Immunology, Mayo Foundation for Education and Research,  
Rochester, MN 55905, USA.  
SO Human gene therapy, (1998 Oct 10) 9 (15) 2299-304.  
Journal code: 9008950. ISSN: 1043-0342.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199901  
ED Entered STN: 19990115  
Last Updated on STN: 19990115  
Entered Medline: 19990105

L4 ANSWER 21 OF 36 MEDLINE on STN  
AN 97281249 MEDLINE  
DN PubMed ID: 9135557  
TI Selective migration of highly differentiated primed **T**  
**cells**, defined by low expression of CD45RB, across human umbilical  
vein endothelial cells: effects of viral infection on transmigration.  
AU Borthwick N J; Akbar A N; MacCormac L P; Lowdell M; Craigen J L; Hassan I;  
Grundy J E; Salmon M; Yong K L  
CS Department of Clinical Immunology, Royal Free Hospital School of Medicine,  
London, UK.  
SO Immunology, (1997 Feb) 90 (2) 272-80.  
Journal code: 0374672. ISSN: 0019-2805.  
CY ENGLAND: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)



LA English  
FS Priority Journals  
EM 199705  
ED Entered STN: 19970602  
Last Updated on STN: 19970602  
Entered Medline: 19970516

L4 ANSWER 22 OF 36 MEDLINE on STN  
AN 96247505 MEDLINE  
DN PubMed ID: 8652816  
TI Gene transfer into human bone marrow hematopoietic cells mediated by adenovirus vectors.  
CM Comment in: Blood. 1997 Feb 15;89(4):1460-2. PubMed ID: 9028971  
Comment in: Blood. 1997 Jun 15;89(12):4664-5. PubMed ID: 9192798  
AU Watanabe T; Kuszynski C; Ino K; Heimann D G; Shepard H M; Yasui Y; Maneval D C; Talmadge J E  
CS Department of Pathology, University of Nebraska Medical Center, NE 68198-5660.  
SO Blood, (1996 Jun 15) 87 (12) 5032-9.  
Journal code: 7603509. ISSN: 0006-4971.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Abridged Index Medicus Journals; Priority Journals  
EM 199607  
ED Entered STN: 19960808  
Last Updated on STN: 19980206  
Entered Medline: 19960731

L4 ANSWER 23 OF 36 MEDLINE on STN  
AN 94163602 MEDLINE  
DN PubMed ID: 8118800  
TI Immune response to a carcinoembryonic antigen polynucleotide vaccine.  
AU Conry R M; LoBuglio A F; Kantor J; Schlom J; Loechel F; Moore S E; Sumerel L A; Barlow D L; Abrams S; Curiel D T  
CS Therapy Program, University of Alabama, Birmingham Comprehensive Cancer Center 35294.  
SO Cancer research, (1994 Mar 1) 54 (5) 1164-8.  
Journal code: 2984705R. ISSN: 0008-5472.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199404  
ED Entered STN: 19940412  
Last Updated on STN: 19940412  
Entered Medline: 19940407

L4 ANSWER 24 OF 36 MEDLINE on STN  
AN 94079984 MEDLINE  
DN PubMed ID: 7504956  
TI Efficient generation of human anti-cytomegalovirus IgG monoclonal antibodies from preselected antigen-specific B cells.  
AU Steenbakkers P G; Van Wezenbeek P M; van Zanten J; The T H  
CS Department of Immunology, Organon International b.v., Oss, The Netherlands.  
SO Human antibodies and hybridomas, (1993 Oct) 4 (4) 166-73.  
Journal code: 9014461. ISSN: 0956-960X.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals

EM 199401  
ED Entered STN: 19940203  
Last Updated on STN: 19960129  
Entered Medline: 19940114

L4 ANSWER 25 OF 36 MEDLINE on STN  
AN 93352094 MEDLINE  
DN PubMed ID: 7688711  
TI Characterization of thymic involution induced by murine  
**cytomegalovirus** infection.  
AU Price P; Olver S D; Gibbons A E; Teo H K; Shellam G R  
CS Department of Microbiology, University of Western Australia, Nedlands.  
SO Immunology and cell biology, (1993 Jun) 71 ( Pt 3) 155-65.  
Journal code: 8706300. ISSN: 0818-9641.  
CY Australia  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199309  
ED Entered STN: 19931001  
Last Updated on STN: 19960129  
Entered Medline: 19930915

L4 ANSWER 26 OF 36 MEDLINE on STN  
AN 89010726 MEDLINE  
DN PubMed ID: 2844985  
TI Peripheral blood mononuclear cell-mediated cytolytic activity during  
**cytomegalovirus** (CMV) infection of guinea pigs.  
AU Harrison C J; Myers M G  
CS Division of Infectious Diseases, Children's Hospital Research Foundation,  
Cincinnati, OH 45229.  
NC AI21825 (NIAID)  
HD 22214 (NICHD)  
SO Journal of medical virology, (1988 Aug) 25 (4) 441-53.  
Journal code: 7705876. ISSN: 0146-6615.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 198811  
ED Entered STN: 19900308  
Last Updated on STN: 19970203  
Entered Medline: 19881108

L4 ANSWER 27 OF 36 MEDLINE on STN  
AN 88309681 MEDLINE  
DN PubMed ID: 2841966  
TI Functional studies of cell-mediated immunity in haemophilia and other  
bleeding disorders.  
AU Mahir W S; Millard R E; Booth J C; Flute P T  
CS Department of Haematology, St George's Hospital Medical School, London.  
SO British journal of haematology, (1988 Jul) 69 (3) 367-70.  
Journal code: 0372544. ISSN: 0007-1048.  
CY ENGLAND: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals; AIDS  
EM 198810  
ED Entered STN: 19900308  
Last Updated on STN: 19990129  
Entered Medline: 19881007

L4 ANSWER 28 OF 36 MEDLINE on STN  
 AN 86315693 MEDLINE  
 DN PubMed ID: 3018918  
 TI Induction of immunoglobulin secretion and DNA synthesis in human lymphocytes in vitro by **cytomegalovirus** preparations.  
 AU Ringden O; Paulin T; Sundqvist V A; Wahren B; Pihlstedt P  
 SO Scandinavian journal of immunology, (1986 Sep) 24 (3) 273-81.  
 Journal code: 0323767. ISSN: 0300-9475.  
 CY ENGLAND: United Kingdom  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 198610  
 ED Entered STN: 19900321  
 Last Updated on STN: 19980206  
 Entered Medline: 19861022

L4 ANSWER 29 OF 36 MEDLINE on STN  
 AN 86169644 MEDLINE  
 DN PubMed ID: 2420881  
 TI HLA-DR-restricted cytotoxicity of **cytomegalovirus**-infected monocytes mediated by Leu-3-positive **T cells**.  
 AU Lindsley M D; Torpey D J 3rd; Rinaldo C R Jr  
 NC AI-16212 (NIAID)  
 RR-05451 (NCRR)  
 SO Journal of immunology (Baltimore, Md. : 1950), (1986 Apr 15) 136 (8) 3045-51.  
 Journal code: 2985117R. ISSN: 0022-1767.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Abridged Index Medicus Journals; Priority Journals  
 EM 198605  
 ED Entered STN: 19900321  
 Last Updated on STN: 19970203  
 Entered Medline: 19860502

L4 ANSWER 30 OF 36 MEDLINE on STN  
 AN 86152932 MEDLINE  
 DN PubMed ID: 2937188  
 TI Regulation of immunoglobulin production after human marrow grafting. The role of helper and suppressor **T cells** in acute graft-versus-host disease.  
 AU Witherspoon R P; Goehle S; Kretschmer M; Storb R  
 NC CA 18029 (NCI)  
 CA 18221 (NCI)  
 CA 30924 (NCI)  
 +  
 SO Transplantation, (1986 Mar) 41 (3) 328-35.  
 Journal code: 0132144. ISSN: 0041-1337.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 198604  
 ED Entered STN: 19900321  
 Last Updated on STN: 19970203  
 Entered Medline: 19860417

L4 ANSWER 31 OF 36 MEDLINE on STN  
 AN 86002911 MEDLINE  
 DN PubMed ID: 2994924

TI **Cytomegalovirus** (CMV)-specific lysis of CMV-infected target cells can be mediated by both NK-like and virus-specific cytotoxic T lymphocytes.

AU Gehrz R C; Rutzick S R

NC HD-12342 (NICHD)  
HD-16173 (NICHD)

SO Clinical and experimental immunology, (1985 Jul) 61 (1) 80-9.  
Journal code: 0057202. ISSN: 0009-9104.

CY ENGLAND: United Kingdom

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 198510

ED Entered STN: 19900321  
Last Updated on STN: 19970203  
Entered Medline: 19851030

=> d 14 6 7 8

L4 ANSWER 6 OF 36 MEDLINE on STN

AN 2002442488 MEDLINE

DN PubMed ID: 12199791

TI CD34+-**enriched** peripheral blood progenitor cells from unrelated donors for allografting of adult patients: high risk of graft failure, infection and relapse despite donor lymphocyte add-back.

AU Bornhauser Martin; Platzbecker Uwe; Theuser Catrin; Holig K; Ehninger Gerhard

CS Medical Klinik und Poliklinik I, Universitätsklinikum Carl Gustav Carus, Dresden, Germany.. bornhaeuser@mk1.med.tu-dresden.de

SO British journal of haematology, (2002 Sep) 118 (4) 1095-103.  
Journal code: 0372544. ISSN: 0007-1048.

CY England: United Kingdom

DT (CLINICAL TRIAL)  
(CLINICAL TRIAL, PHASE I)  
(CLINICAL TRIAL, PHASE II)  
Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 200211

ED Entered STN: 20020830  
Last Updated on STN: 20021212  
Entered Medline: 20021118

L4 ANSWER 7 OF 36 MEDLINE on STN

AN 2002216926 MEDLINE

DN PubMed ID: 11953041

TI Induction of CMV-specific **T-cell** lines using Ag-presenting cells pulsed with CMV protein or peptide.

AU Einsele H; Rauser G; Grigoleit U; Hebart H; Sinzger C; Riegler S; Jahn G

CS Medizinische Klinik und Poliklinik, Universität Tübingen, Germany.

SO Cytotherapy, (2002) 4 (1) 49-54.  
Journal code: 100895309. ISSN: 1465-3249.

CY England: United Kingdom

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 200209

ED Entered STN: 20020416  
Last Updated on STN: 20020911  
Entered Medline: 20020910

L4 ANSWER 8 OF 36 MEDLINE on STN  
 AN 2002194873 MEDLINE  
 DN PubMed ID: 11927944  
 TI Memory CD8+ **T cells** vary in differentiation phenotype  
 in different persistent virus infections.  
 AU Appay Victor; Dunbar P Rod; Callan Margaret; Klenerman Paul; Gillespie  
 Geraldine M A; Papagno Laura; Ogg Graham S; King Abigail; Lechner  
 Franziska; Spina Celsa A; Little Susan; Havlir Diane V; Richman Douglas D;  
 Gruener Norbert; Pape Gerd; Waters Anele; Easterbrook Philippa; Salio  
 Mariolina; Cerundolo Vincenzo; McMichael Andrew J; Rowland-Jones Sarah L  
 CS MRC Human Immunology Unit, Institute of Molecular Medicine, John Radcliffe  
 Hospital, Oxford, UK.. vappay@gwmail.jr2.ox.ac.uk  
 SO Nature medicine, (2002 Apr) 8 (4) 379-85.  
 Journal code: 9502015. ISSN: 1078-8956.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200205  
 ED Entered STN: 20020404  
 Last Updated on STN: 20020503  
 Entered Medline: 20020502

=> d 14 6 7 8 all

L4 ANSWER 6 OF 36 MEDLINE on STN  
 AN 2002442488 MEDLINE  
 DN PubMed ID: 12199791  
 TI CD34+**enriched** peripheral blood progenitor cells from unrelated  
 donors for allografting of adult patients: high risk of graft failure,  
 infection and relapse despite donor lymphocyte add-back.  
 AU Bornhauser Martin; Platzbecker Uwe; Theuser Catrin; Holig K; Ehninger  
 Gerhard  
 CS Medical Klinik und Poliklinik I, Universitätsklinikum Carl Gustav Carus,  
 Dresden, Germany.. bornhaeuser@mk1.med.tu-dresden.de  
 SO British journal of haematology, (2002 Sep) 118 (4) 1095-103.  
 Journal code: 0372544. ISSN: 0007-1048.  
 CY England: United Kingdom  
 DT (CLINICAL TRIAL)  
 (CLINICAL TRIAL, PHASE I)  
 (CLINICAL TRIAL, PHASE II)  
 Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200211  
 ED Entered STN: 20020830  
 Last Updated on STN: 20021212  
 Entered Medline: 20021118  
 AB Fifty-one adults with haematological malignancies were transplanted with  
 CD34+-selected peripheral blood progenitor cells (PBPC) from unrelated  
 donors. The conditioning protocol contained total body irradiation (n =  
 17) or combinations of busulphan and other alkylating agents (n = 34).  
 Antithymocyte globulin was infused in all patients. The median number of  
 CD3+ **T cells** infused with the graft after purification  
 with the Isolex 300 system in the first cohort of 18 patients was 2.1 x  
 10<sup>5</sup>/kg. Prophylactic donor lymphocyte infusion (DLI) containing 1 x  
 10<sup>5</sup> CD3+ **T cells** was performed on d 21 in the  
 following 33 patients who had received PBPC purified by the CliniMACS  
 system. Early graft failure occurred in 8/51 patients (16%). After a  
 median follow-up of 31 months (range 8-60), the probability of  
 disease-free survival (DFS) was 36% for the whole group. Reasons for

death were opportunistic infections (n = 15), graft-versus-host disease (GvHD, n = 7) and relapse (n = 4). Pre-transplant factors with significant impact on DFS were **cytomegalovirus** status and risk category of underlying disease. The occurrence of graft failure or GvHD was associated with poor outcome. Recipients of CD34+-selected PBPC from unrelated donors are at high risk of infectious complications, relapse and graft failure which cannot be prevented by early reinfusion of unmodified donor lymphocytes.

CT Check Tags: Female; Human; Male  
Adolescent  
Adult  
\*Antigens, CD34  
Blood Transfusion, Autologous  
Child

**Cytomegalovirus Infections**  
Graft Rejection  
\*Hematologic Neoplasms: SU, surgery  
Hematologic Neoplasms: TH, therapy  
Lymphocyte Transfusion  
Middle Aged  
Opportunistic Infections  
Regression Analysis  
Reoperation  
\*Stem Cell Transplantation  
\*T-Lymphocytes  
Transplantation, Homologous  
CN 0 (Antigens, CD34)

L4 ANSWER 7 OF 36 MEDLINE on STN  
AN 2002216926 MEDLINE  
DN PubMed ID: 11953041  
TI Induction of CMV-specific **T-cell** lines using  
Ag-presenting cells pulsed with CMV protein or peptide.  
AU Einsele H; Rauser G; Grigoleit U; Hebart H; Sinzger C; Riegler S; Jahn G  
CS Medizinische Klinik und Poliklinik, Universitat Tübingen, Germany.  
SO Cytotherapy, (2002) 4 (1) 49-54.  
Journal code: 100895309. ISSN: 1465-3249.  
CY England: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200209  
ED Entered STN: 20020416  
Last Updated on STN: 20020911  
Entered Medline: 20020910

AB BACKGROUND: CMV disease is still associated with a high morbidity and mortality in recipients of a solid organ or stem cell graft, especially in patients undergoing allogeneic stem cell transplantation. Reconstitution of CMV-specific CD4(+) and CD8(+) cytotoxic **T cell** responses are essential to control CMV infection following allogeneic stem cell transplantation. The transfer of unselected populations of lymphocytes from the peripheral blood of a CMV-seropositive donor to a transplant recipient can be used to control CMV infection. However, such transfer of unselected donor lymphocytes is limited by potentially fatal complications that arise from alloreactive **T cells**, also present in the unselected donor lymphocytes. Thus to make infusion of donor **T cells** safe and also more effective in controlling CMV infection in the recipient of the **T cell** infusion, **T cells** are manipulated in vitro to deplete alloreactive **T cells** and to **enrich** for CMV-specific **T cells**. METHODS: Using various antigen-presenting cells (monocytes/PBMNCs/dendritic cells) and different

modes of antigen presentation (infected APCs, pulsing of protein or peptide antigen) different CMV-specific **T cell** populations can be generated and expanded. RESULTS: Using protein-/or peptide-pulsed DCs CMV-specific CD8(+) cytotoxic **T cell** lines (can be generated and expanded) in addition CMV-specific CD4(+) **T cell** lines can be generated when CMV-protein-pulsed DCs are used as antigen-presenting cells. When peripheral blood mononuclear cells were stimulated with CMV lysates predominantly CMV-specific CD4(+) **T cells** are generated and expanded ex vivo. DISCUSSION: Depending on the APC used (monocytes versus DC) and the mode of antigen presentation (protein versus peptide pulsing) different CMV-specific **T cell** populations of varying purity can be generated which show preserved function when tested for specific proliferation, cytokine production and cytotoxicity.

CT Check Tags: Human  
 \*Antigen Presentation: IM, immunology  
 \*Antigen-Presenting Cells: IM, immunology  
 \*Antigens, Viral: IM, immunology  
 CD4-Positive T-Lymphocytes: IM, immunology  
 CD8-Positive T-Lymphocytes: IM, immunology  
 Cell Line  
 Cells, Cultured  
 \*Cytomegalovirus: IM, immunology  
 Dendritic Cells: IM, immunology  
 Feasibility Studies  
 Peptides: IM, immunology  
 Phosphoproteins: IM, immunology  
 \*T-Lymphocytes: IM, immunology  
 Viral Matrix Proteins: IM, immunology

CN 0 (Antigens, Viral); 0 (Peptides); 0 (Phosphoproteins); 0 (Viral Matrix Proteins); 0 (**cytomegalovirus** matrix protein 65kDa)

L4 ANSWER 8 OF 36 MEDLINE on STN  
 AN 2002194873 MEDLINE  
 DN PubMed ID: 11927944  
 TI Memory CD8+ **T cells** vary in differentiation phenotype in different persistent virus infections.

AU Appay Victor; Dunbar P Rod; Callan Margaret; Klenerman Paul; Gillespie Geraldine M A; Papagno Laura; Ogg Graham S; King Abigail; Lechner Franziska; Spina Celsa A; Little Susan; Havlir Diane V; Richman Douglas D; Gruener Norbert; Pape Gerd; Waters Anele; Easterbrook Philippa; Salio Mariolina; Cerundolo Vincenzo; McMichael Andrew J; Rowland-Jones Sarah L

CS MRC Human Immunology Unit, Institute of Molecular Medicine, John Radcliffe Hospital, Oxford, UK.. vappay@gwmmail.jr2.ox.ac.uk

SO Nature medicine, (2002 Apr) 8 (4) 379-85.  
 Journal code: 9502015. ISSN: 1078-8956.

CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200205  
 ED Entered STN: 20020404  
 Last Updated on STN: 20020503  
 Entered Medline: 20020502

AB The viruses HIV-1, Epstein-Barr virus (EBV), **cytomegalovirus** (CMV) and hepatitis C virus (HCV) are characterized by the establishment of lifelong infection in the human host, where their replication is thought to be tightly controlled by virus-specific CD8+ **T cells**. Here we present detailed studies of the differentiation phenotype of these cells, which can be separated into three distinct subsets based on expression of the costimulatory receptors CD28 and CD27. Whereas CD8+ **T cells** specific for HIV, EBV and HCV

exhibit similar characteristics during primary infection, there are significant **enrichments** at different stages of cellular differentiation in the chronic phase of persistent infection according to the viral specificity, which suggests that distinct memory **T-cell** populations are established in different virus infections. These findings challenge the current definitions of memory and effector subsets in humans, and suggest that ascribing effector and memory functions to subsets with different differentiation phenotypes is no longer appropriate.

CT Check Tags: Human; Support, Non-U.S. Gov't; Support, U.S. Gov't, P.H.S.  
 Adolescent  
 Adult  
 Aged  
 Antigens, CD27: ME, metabolism  
 Antigens, CD28: ME, metabolism  
 Antigens, CD45: ME, metabolism  
 \*CD8-Positive T-Lymphocytes: IM, immunology  
 CD8-Positive T-Lymphocytes: PA, pathology  
 Cell Differentiation  
 Child  
 Child, Preschool  
 Cytomegalovirus Infections: IM, immunology  
 Cytomegalovirus Infections: PA, pathology  
 Cytotoxins: ME, metabolism  
 Epstein-Barr Virus Infections: IM, immunology  
 Epstein-Barr Virus Infections: PA, pathology  
 HIV Infections: IM, immunology  
 HIV Infections: PA, pathology  
 HIV-1  
 Hepatitis C, Chronic: IM, immunology  
 Hepatitis C, Chronic: PA, pathology  
 \*Immunologic Memory  
 Middle Aged  
 Phenotype  
 Receptors, Chemokine: ME, metabolism  
 T-Lymphocyte Subsets: IM, immunology  
 T-Lymphocyte Subsets: PA, pathology  
 \*Virus Diseases: IM, immunology  
 Virus Diseases: PA, pathology  
 CN 0 (Antigens, CD27); 0 (Antigens, CD28); 0 (Antigens, CD45); 0 (CC chemokine receptor 7); 0 (Cytotoxins); 0 (Receptors, Chemokine)

=> d his

(FILE 'HOME' ENTERED AT 09:41:05 ON 12 APR 2004)

FILE 'MEDLINE' ENTERED AT 09:41:14 ON 12 APR 2004

L1 26202 S CYTOMEGALOVIRUS  
 L2 158288 S T CELL?  
 L3 3790 S ENRICH? AND L2  
 L4 36 S L1 AND L3